FILE NOTATIONS

Entered in N I D File ✓ Checked by Chief

Entered On S R Sheet Copy N I D to Field Office

Location Map Pinned ✓ Approval Letter

Card Indexed ✓ Disapproval Letter

I W R for State or Fee Land

COMPLETION DATA:

Date Well Completed 3-10-75 I Location Inspected

OW WW TA Bond released

GW OS PA State of Fee Land

LOGS FILED

Driller's Log ✓

Electric Logs (No.) ✓

E I E-I GR GR-N Micro

Lat Mi-L Sonic Others

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: SLC 045051-b Fed

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER Gas Storage SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: Clay Basin Unit

2. NAME OF OPERATOR: Mountain Fuel Supply Company

8. FARM OR LEASE NAME: Unit Well

9. WELL NO.: 25-5

3. ADDRESS OF OPERATOR: P. O. Box 1129, Rock Springs, Wyoming 82901

10. FIELD AND POOL, OR WILDCAT: Clay Basin

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 719' FNL, 770' FWL NW NW

At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW NW 21-3N-24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 40.5 miles south of Rock Springs, Wyoming

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	550' -	16. NO. OF ACRES IN LEASE 1900.74	17. NO. OF ACRES ASSIGNED TO THIS WELL -
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	2000' Unit 24	19. PROPOSED DEPTH 5815'	20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6412'

22. APPROX. DATE WORK WILL START*: When approved

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	36# K-55	300'	160 sx, [D43A]
8-3/4"	7" New	23# K-55	5815'	To be determined

We would like to drill the subject well to an estimated depth of 5815', anticipated formation tops are as follows: Mancos at the surface, Frontier at 5275', Mowry at 5475', and Dakota at 5615'.

Mud will be adequate to contain formation fluids and in sufficient quantities to efficiently drill the well; blowout preventers will be checked daily and pressure tested after each string of casing is set. Expect oil/gas at 5275' and 5615'. No coring, no DST's, plan to run DIL, Sonic, CNL logs. No abnormal pressures, temperatures, or H2S expected. Drilling time about 17 days.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 10/19/76
BY: C.B. Feight

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED R. D. Myers TITLE Manager, Drilling and Petroleum Engineering DATE Oct. 15, 1976

(This space for Federal or State office use)

PERMIT NO. 43-009-30016 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Well Name Clay Basin Unit Well No. 25 Location NW NW 21-3N-24E

Daggett County, Utah

Wellhead Equipment	Size	Pressure Rating	Pressure Test
Surface Casing Flange	10"	3000	6000
Casing Spool	-		
Tubing Spool	10" x 6"	3000	6000
Tubing Bonnet	6" x 4"	3000	6000

Blow Out Preventers (Top to Bottom)	Size	PSI Rating	PSI Test	Bag	Rams
	10	3000	6000	X	
	10	3000	6000		4-1/2
	10	3000	6000		Blind

Gas Buster ____ Yes X No

Degasser ____ Yes X No

Kill or Control Manifold

2" Size | 2000 Pressure Rating | 4000 Pressure Rating Test | X Hydraulic Valves

Auxiliary Equipment Kelly Cock X Yes ____ No

Monitoring Equipment on Mud System ____ Yes X No

Full Opening Drill Pipe Stabbing Valve on Floor X Yes ____ No

Type of Drilling Fluid X Water Base Mud ____ Air ____ Gas ____ Oil Base Mud

Anticipated Bottom Hole Pressure 500 PSI

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: Oct. 18-

Operator: Mt. Fuel Supply

Well No: Clay Basin #25-5 Gas Storage

Location: Sec. 21 T. 3N R. 24E County: Daggett

File Prepared [✓] Entered on N.I.D. [✓]

Card Indexed [✓] Completion Sheet [✓]

Checked By:

Administrative Assistant: [signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator: [signature]

Remarks:

Director: [signature]

Remarks:

Include Within Approval Letter:

Bond Required [ ] Survey Plat Required [ ]

Order No. _____ [ ] Blowout Prevention Equipment [ ]

Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site [ ]

O.K. Rule C-3 [ ] O.K. In C. Basin Unit [✓]

Other: [ ]

[✓] Approved ~~Letter Written~~

INTEROFFICE COMMUNICATION

FROM T. M. Colson — Rock Springs, Wyoming (CITY / STATE)

TO R. G. Myers — DATE November 18, 1976

SUBJECT Tentative Plan to Drill
Unit Well No. 25-3
Clay Basin Field

Attached for your information and files is a tentative plan to drill the above-captioned well. This plan was written in accordance with the Geologic Prognosis for this well prepared by D. L. Reese.

TMC/gm
Attachment
cc: R. D. Cash
E. R. Keller (3)
G. A. Peppinger (3)
A. J. Marushack
A. K. Zuehlsdorff
D. E. Dallas
A. J. Maser (3)
J. E. Adney
E. J. Widic
B. M. Steigleder
E. A. Farmer
U.S.G.S.
State
Paul Zubatch
P. E. Files (4)

From: C. R. Owen

Rock Springs, Wyoming

To: T. M. Colson

November 18, 1976

Tentative Plan to Drill
Unit Well No. 25
Clay Basin Field

This well will be drilled to total depth by _____ Drilling Company. One work order has been originated for the drilling and completion of this well, namely _____, Drill Unit Well No. 25, Clay Basin Field, located in the NW NW Sec. 21, T. 3 N., R. 24 E., Daggett County, Utah. An 8-3/4-inch hole will be drilled to a total depth of 5815 feet and 7-inch O.D. casing run. It is planned to complete the well as a gas storage well in the Dakota formation. Surface elevation is at 6412 feet.

1. Drill 13-3/4-inch hole to approximately 330 feet KBM.

2. Run and cement approximately 300 feet of 9-5/8-inch O.D., 36-pound, K-55, 8 round thread, ST&C casing. The casing will be cemented by Dowell with 323 sacks of regular Type "G" cement, which represents theoretical requirements plus 100 percent excess cement for 9-5/8-inch O.D. casing in 13-3/4-inch hole with cement returned to surface. Cement will be treated with 1518 pounds of Dowell D-43A. Plan on leaving a 10 foot cement plug in the bottom of the casing after displacement is completed. Floating equipment will consist of a Baker guide shoe. The top and bottom of all casing collars will be spot welded in the field and the guide shoe will be spot welded to the shoe joint in the Rock Springs Machine Shop. The bottom of the surface casing should be landed in such a manner that the top of the 10-inch 3000 psi casing flange will be at ground level. A cellar three feet deep will be required. Prior to cementing, circulate 50 barrels of mud. Capacity of the 9-5/8-inch O.D. casing is 24 barrels.

3. After a WOC time of 6 hours, remove the landing joint and wash off casing collar. Install a NSCo. Type "B" 10-inch 3000 psi regular duty casing flange tapped for 9-5/8-inch O.D. casing. Install a 2-inch extra heavy nipple, 6-inches long, and

a Nordstrom Figure 824 (800 psi WOG, 1600 psi test) valve on one side outlet of the casing flange and a 2-inch extra heavy bull plug in the opposite side. Install a 10-inch 3000 psi double gate hydraulically operated blowout preventer with blind rams in the bottom and 4-1/2-inch rams in the top and finish nippling up. After a WOC time of 12 hours, pressure test surface casing, all preventer rams, and Kelly-cock to 1000 psi for 15 minutes using rig pump and drilling mud. The burst pressure rating for 9-5/8-inch O.D., 36-pound, K-55, 8 round thread, ST&C casing is 3520 psi.

4. Drill 8-3/4-inch hole to the total depth of 5815 feet or to such depth as the Geological Department may recommend. The mud will consist of 2 percent potassium chloride water to 4500 feet. Mud up with the Kcl Dexdrid Drispac system at this point to allow a 3 cc. water loss at 5565 feet. The 3 cc. water loss will be maintained from 5565 feet to total depth at 5815 feet. If lost circulation is encountered, only acid soluble lost circulation material will be used. A mud cleaner will be used from surface to total depth to remove undesirable solids from the mud system and to keep the mud weight to a minimum. A Company Geologist will be on location to check cutting samples; 10 foot samples from 5200 feet to total depth. Anticipated tops are as follows:

	Approximate Depth (Feet KBM)
Mancos	Surface
Frontier	5,275
Mowry	5,475
Dakota	5,615
Total Depth	5,815

5. Run a dual induction laterolog (2-inch linear scale and 5-inch logarithmic scale) and a compensated density/gamma ray/caliper from total depth at 5815 feet to 3815 feet. The 2000 feet logged represents the minimum footage for each log.

6. Assuming a gas storage zone of good quality is present as indicated by log analysis, go into hole with 8-3/4-inch bit and drill pipe to total depth to condition mud prior to running production casing. Pull bit laying down drill pipe and drill collars.

7. Run 7-inch O.D. casing as outlined in Item No. I, General Information, through the deepest producing zone as indicated by log analysis. A Baker 7-inch O.D., 8 round thread, Type G circulating differential fillup collar and guide shoe will be run as floating equipment. Rig up Dowell and cement casing with 50-50 Pozmix cement. Bring cement top behind the 7-inch O.D. casing above the uppermost producing zone as indicated by log analysis. Circulate 150 barrels of drilling mud prior to beginning cementing operations. Capacity of the 7-inch O.D. casing is approximately 229 barrels. Cement requirements will be based on actual hole size as determined by the caliper portion of the formation density log. Rotate casing while circulating, mixing, and displacing cement. Displace cement with water. Bump plug with 2500 psi and hold for 15 minutes to pressure test casing. Minimum burst pressure of the 7-inch O.D., 23-pound, K-55 casing is 4360 psi.

8. Immediately after cementing operations are completed, land the 7-inch O.D. casing with full weight of casing on slips in the 10-inch 3000 psi casing flange and record indicator weight. Install NSCo. Type B 10-inch 3000 psi by 6-inch 3000 psi

tubing spool. Pressure test primary and secondary seals to 2500 psi for 5 minutes. Minimum collapse pressure for 7-inch O.D., 23-pound, K-55, 8 round thread, LT&C casing is 3280 psi. Install a steel plate on the 6-inch 3000 psi tubing spool flange.

9. Release drilling rig and move off location.
10. Move in and rig up a completion rig.
11. Install a 6-inch 5000 psi hydraulically operated double gate preventer with blind rams on bottom and 4-1/2-inch tubing rams on top.
12. After a WOC time of at least 50 hours, rig up Dresser Atlas and run bond log and perforating formation control log from plugged back depth to top of cement behind the 7-inch O.D. casing.
13. After a WOC time of at least 56 hours, pick up and run a 6-1/4-inch bit on 4-1/2-inch O.D., 11.6-pound, J-55, 8 round thread, LT&C tubing to check plugged back depth. Rig up and displace water out of hole with drip oil. Pull tubing out of hole and stand in derrick.
14. Rig up Dresser Atlas and run a casing potential profile log from total depth to the bottom of the surface casing at 300 feet KB.
15. Rig up Dresser Atlas perforating truck and perforate the Dakota storage sand with 2 HPF jumbo jet shots. The interval to be perforated will be chosen after the open hole logging has been reviewed and evaluated.
16. Rig up Dresser Atlas and run a Baker Model FB-1 (size 87-40) as follows:

    Baker Model FB-1 (4.0-inch I.D. through packer)

    6 foot Baker millout extension (4.0-inch I.D.).

    10 foot Baker seal bore protector (4.0-inch I.D.) changeover.

6 feet 3-1/2-inch O.D., 9.2-pound, J-55, 8 round EUE pup joint.

Baker Model "F" non-ported seating nipple (size 2.81).

6 feet 3-1/2-inch O.D., 9.2-pound, J-55, 8 round EUE pup joint.

Baker Model "R" non-ported no-go seating nipple (size 2.75).

Set packer so that the bottom of the assembly is 30 feet above the perforations.

Perforations will be chosen after the open-hole logging is completed.

17. Pick up a Baker locator seal assembly and a Baker Model "L" sliding sleeve and run tubing as follows:

    1 NSCo. DP4-H-1 tubing hanger tapped 4-1/2-inch O.D., 8 round thread, LT&C, top and bottom.

    4-1/2-inch O.D., 11.6-pound, J-55, 8 round thread, LT&C pup joints as required to space out.

    Approximately 180 joints 4-1/2-inch O.D., 11.6-pound, J-55, 8 round thread, LT&C tubing.

    Baker Model "L" 4-1/2-inch O.D. sliding sleeve (size 3.812), in open position.

    1 6 foot 4-1/2-inch O.D., 11.6-pound, J-55 pup joint.

    Baker Model "G" locator seal assembly with 10 feet of seal extensions (I.D. 3.0-inches).

    Land tubing in packer with 10,000 pounds compression. Space out and land in wellhead.

18. Install upper portion of wellhead.

19. Swab fluid out of wellbore. Run a short production test.

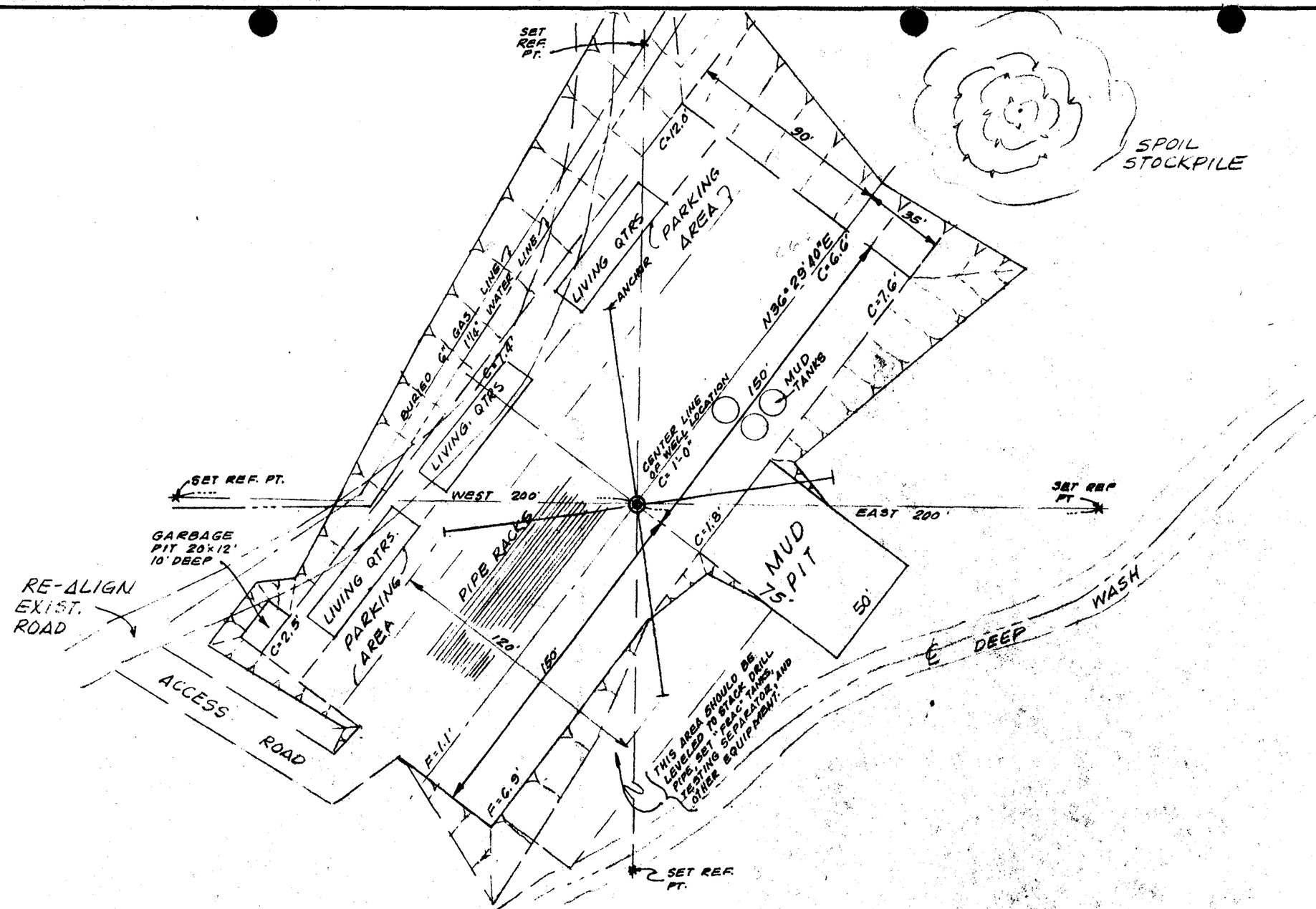
GENERAL INFORMATION

I. The following tubular goods have been assigned to the well.

Description	Approximate Gross Measurement (feet)	Availability
	Surface Casing	
9-5/8-inch O.D., 36-pound, H-40, 8 round thread, ST&C casing	330	Warehouse Stock
	Production Casing	
7-inch O.D., 23-pound, K-55, 8 round thread, LT&C casing (Bottom 400 feet will be rough coated)	6,000	To be purchased
	Production Tubing	
4-1/2-inch O.D., 11.6-pound, J-55, 8 round thread, LT&C tubing	6,200	To be purchased

II. All ram type preventers will have hand wheels installed and operative at the time the preventers are installed.

III. Well responsibility - D. L. Reese



ENLARGED WELL SITE PLAN
SCALE 1" = 50'

DRILLING W.O.

GENERAL NOTES:

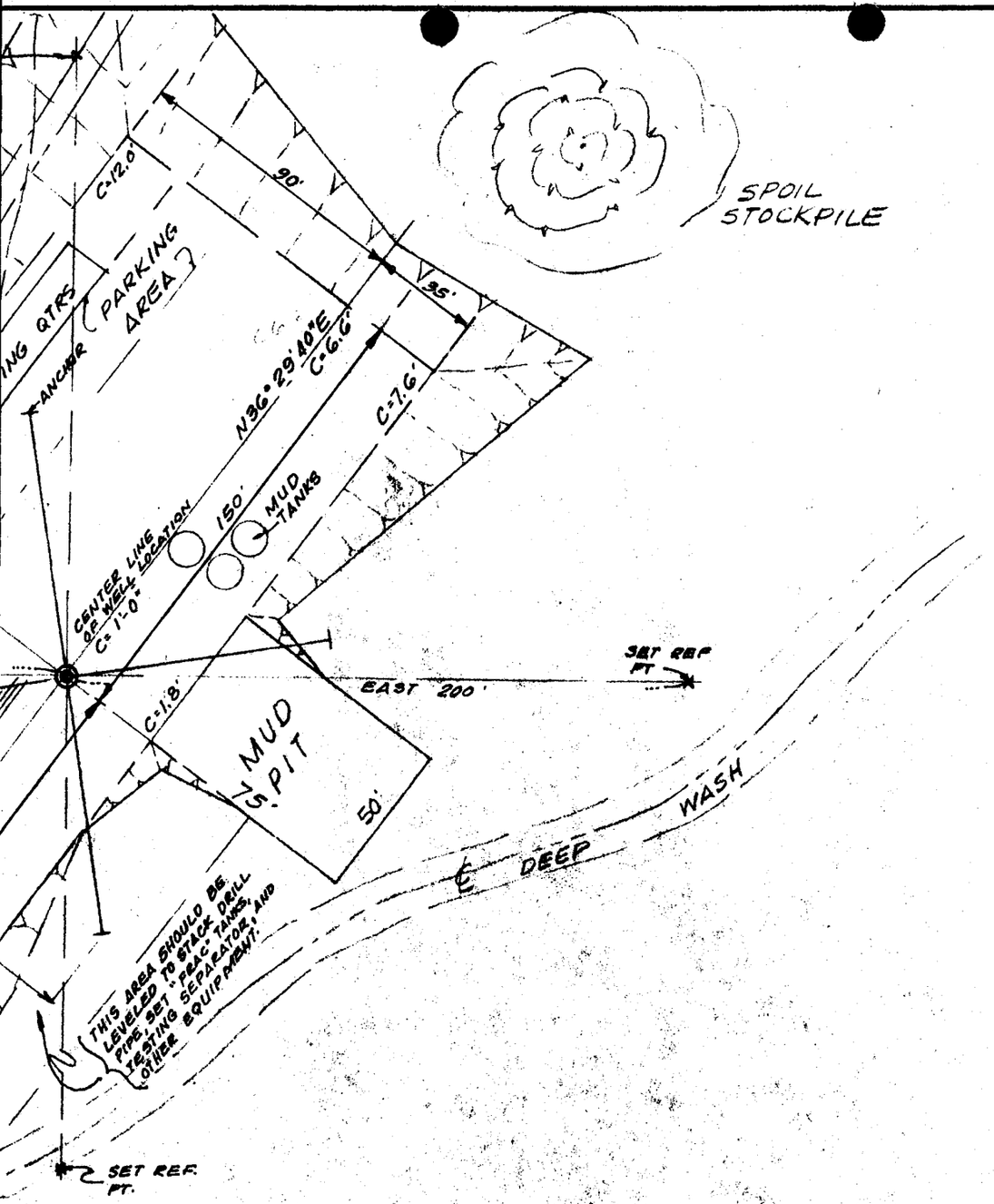
At sites where topsoil is present, same is to be removed and stored on the adjacent land for restoration of the site when required.

Mud pit and garbage pit are to be fenced, *unlined*

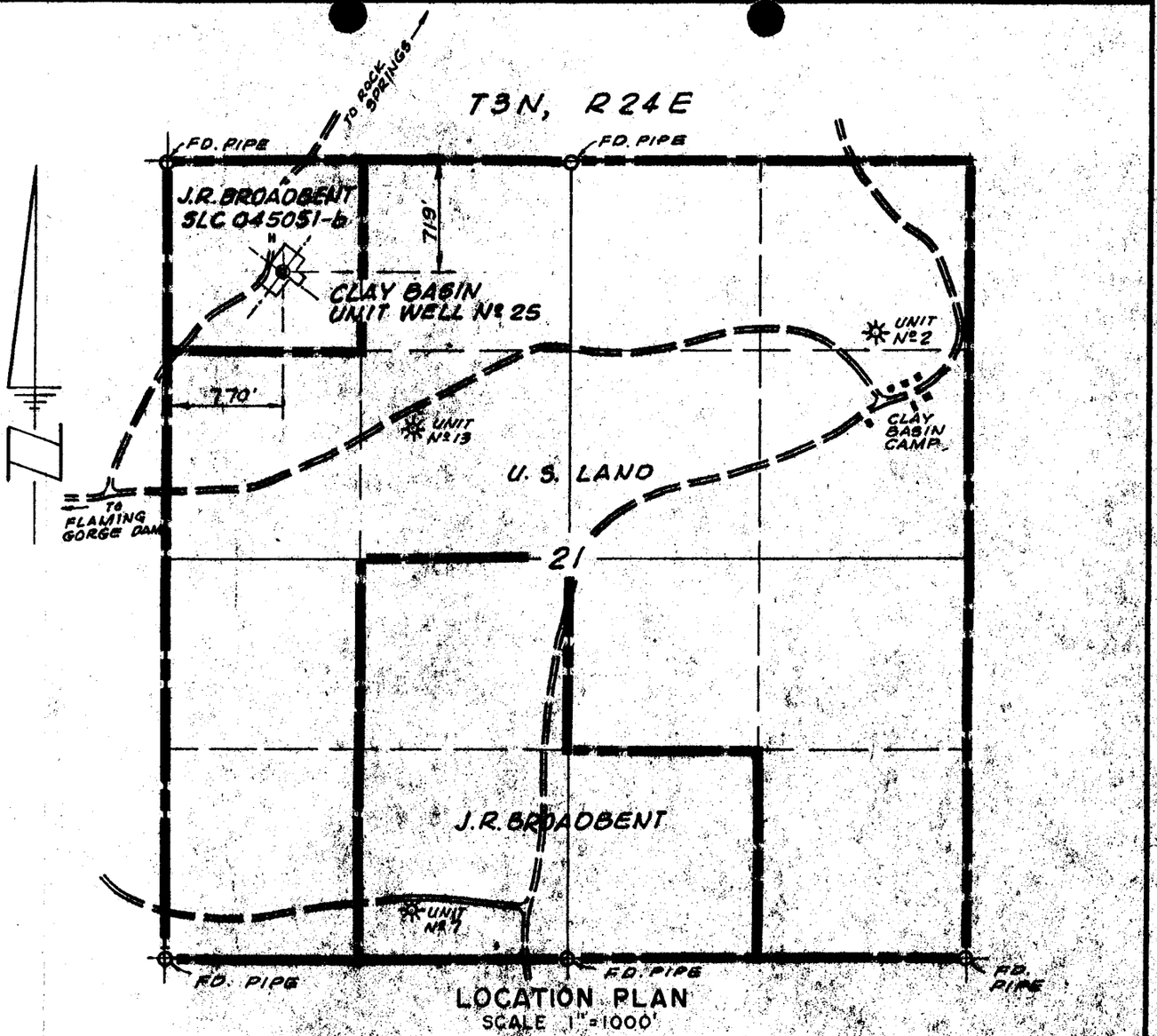
For well location profiles see DWG Nº M-12259

LEGEND	
℄ WELL	
STONE CORNER	
PIPE CORNER	

ENGINEERING RECORD	
SURVEYED BY	S. M. Fabian 9-13-76
REFERENCES	G.L.O. PLAT ☒ U.S.G.S. QUAD. MAP ☐
LOCATION DATA	
FIELD	CLAY BASIN
LOCATION: NW¼, NW¼ SEC. 21, T3N, R24E SALT LAKE MERIDIAN 719' FNL, 770' FWL	
DAGGETT COUNTY, UTAH	
WELL ELEVATION: 6412 (AS GRADED) BY VERTICAL ANGLE OBSERVATION FROM M.F.S. CO. BENCH MARK Δ 120	



RGED WELL SITE PLAN
SCALE 1" = 50'



LOCATION PLAN
SCALE 1"=1000'

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge.

ENGINEER
UTAH REGISTRATION L.S. Nº 3521

DRILLING W.O.

LEGEND
⊕ ℄ WELL
⊕ STONE CORNER
⊕ PIPE CORNER

ENGINEERING RECORD	
SURVEYED BY	S. M. Fabian 9-13-76
REFERENCES	G.L.O. PLAT ☒ U.S.G.S. QUAD. MAP ☐
LOCATION DATA	
FIELD	CLAY BASIN
LOCATION	NW¼, NW¼ SEC. 21, T3N, R24E SALT LAKE MERIDIAN 719'FNL, 770'FWL
	DAGGETT COUNTY, UTAH
WELL ELEVATION	6412 (AS GRADED) BY VERTICAL ANGLE OBSERVATION FROM M.F.S. CO. BENCH MARK A 120

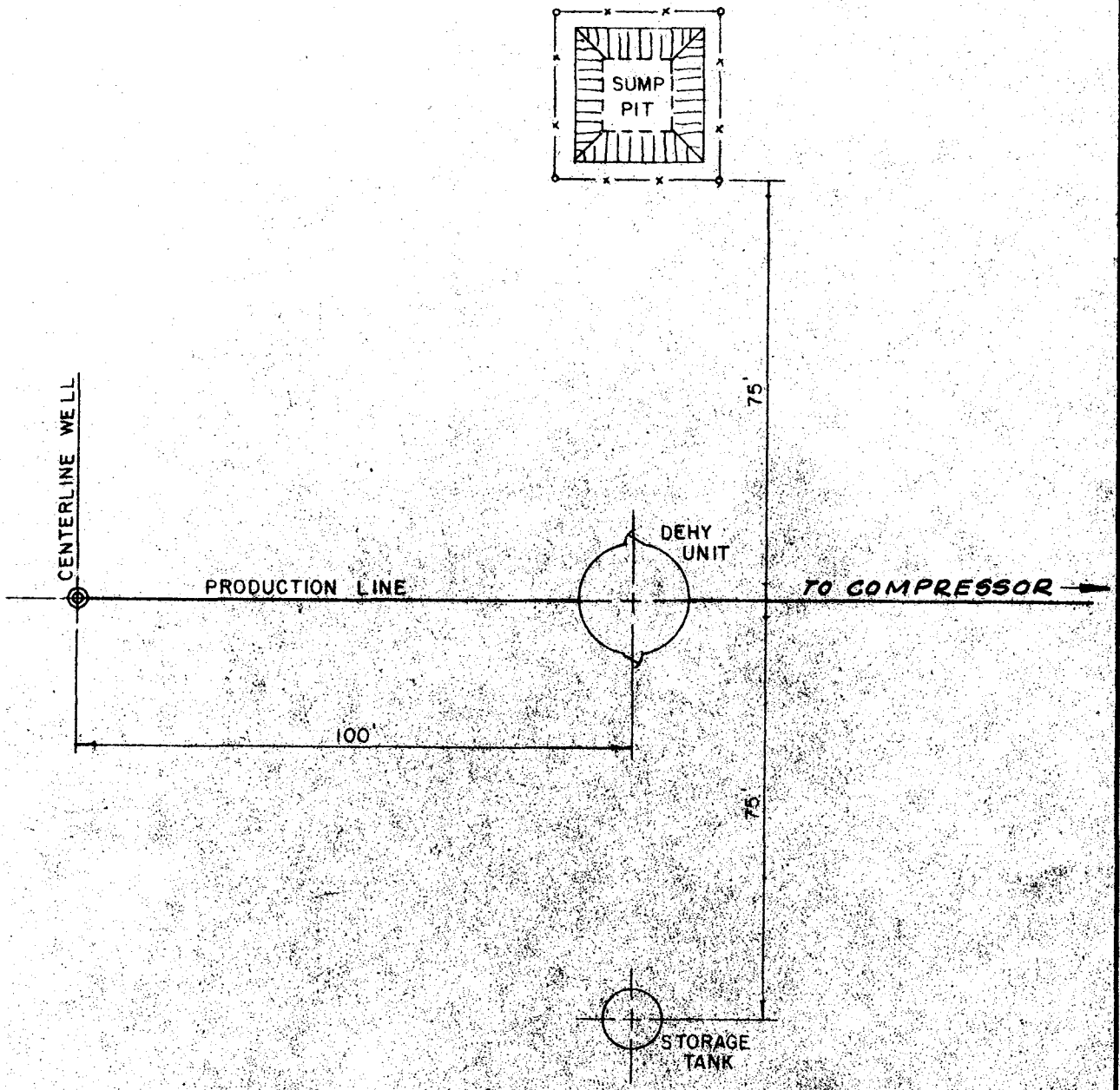
REVISIONS			
NO.	DESCRIPTION	DATE	BY

MOUNTAIN FUEL
SUPPLY COMPANY
ROCK SPRINGS, WYOMING

CERTIFIED WELL LOCATION
AND
WELL SITE PLAN
CLAY BASIN
UNIT WELL Nº 25

DRAWN: 9-22-76 AHW | SCALE: AS NOTED
CHECKED:
APPROVED:
DRWG. NO. M-12256 | 1/2

FILE NO. A-11 SHEET 1 OF 2



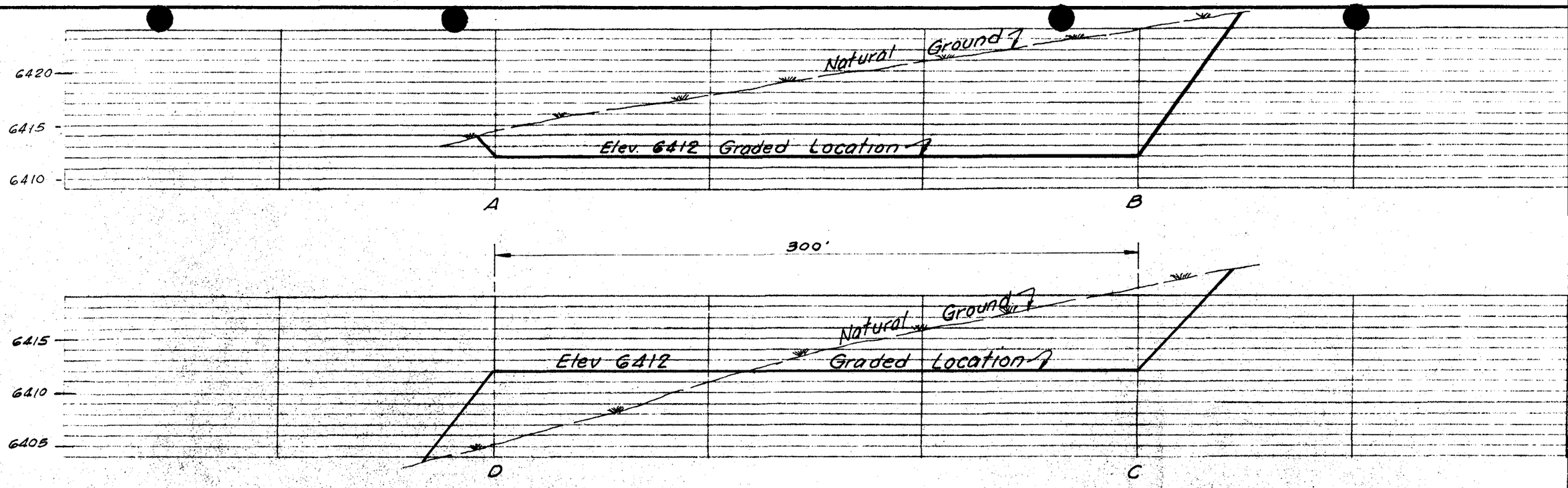
REVISIONS			
NO.	DESCRIPTION	DATE	BY

MOUNTAIN FUEL
SUPPLY COMPANY
ROCK SPRINGS, WYOMING

TYPICAL PRODUCTION FACILITIES LAYOUT FOR CLAY BASIN UNIT WELL 25

DRAWN: 7/9/76	FJC	SCALE: NONE	
CHECKED:		DRWG. NO.	M-12205
APPROVED:			

FILE NO. A-8 SHEET OF

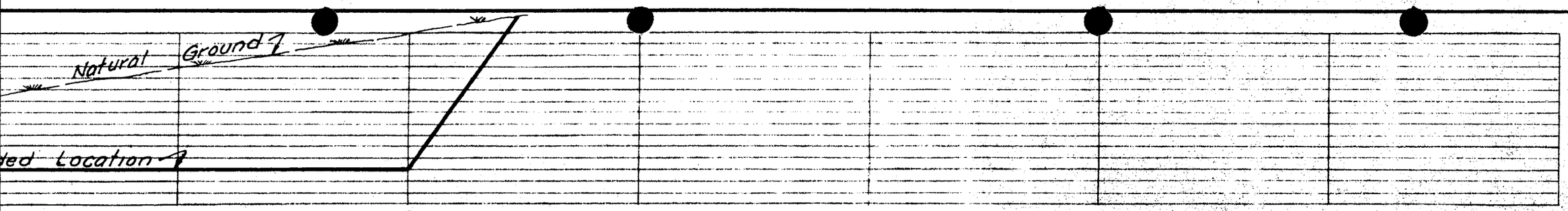


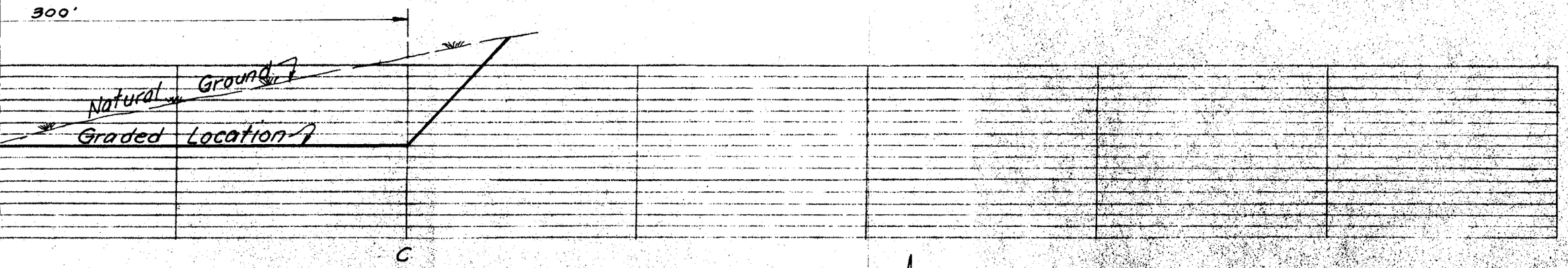
PROFILE SECTIONS - PROPOSED GRADED LOCATION

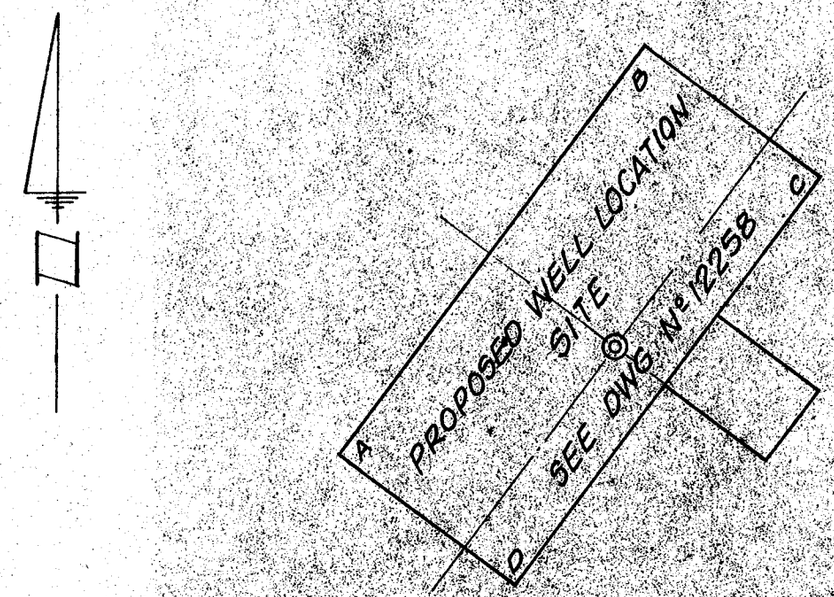
SCALE

HORIZ 1" = 50'

VERT 1" = 10'







KEY MAP
SCALE 1" = 100'

REVISIONS			
NO.	DESCRIPTION	DATE	BY

MOUNTAIN FUEL
SUPPLY COMPANY
ROCK SPRINGS, WYOMING

PROFILES
FOR
CLAY BASIN UNIT WELL Nº 25
WELL LOCATION SITE

DRAWN: 9-22-76 AHW. | SCALE: AS NOTED
CHECKED: | DRWG. NO. M-12259 | 2/2
APPROVED:

FILE NO. A-11 | SHEET 2 OF 2

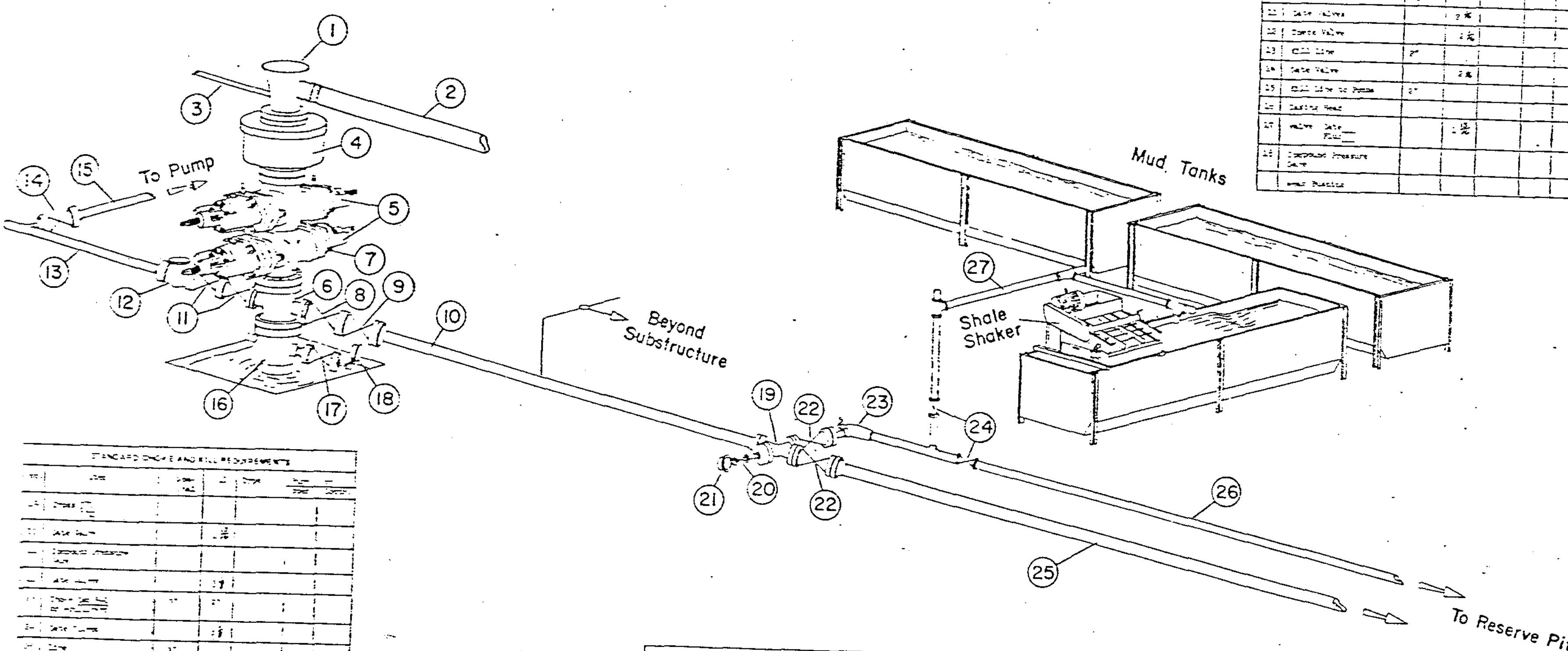
MOUNTAIN FUEL SUPPLY COMPANY

2000 psi BLOWOUT PREVENTION EQUIPMENT

SPECIAL STACK REQUIREMENTS				

[illegible]

STANDARD STACK REQUIREMENTS						
No.	Item	[illegible]	[illegible]	Type	[illegible]	[illegible]
1	Drilling Nipple					
2	Flow Line					
3	Fill up Line	2"				
4	Annular Preventor			Hydril / Cameron / Shaffer		
5	Two Single or one Dual Hyd oper rams.			[illegible]		
6	Drilling Spool with 3" and 2" outlets			Forged		
7	An Alternate to (6) Run Kill and Choke Lines from outlets in this ram					
8	Gate Valve		3 1/8			
9	Valve-hydraulically operated gate		3 1/8			
10	Choke Line	3"				
11	Gate Valves		2 1/16			
12	Check Valve		2 1/16			
13	Kill Line	2"				
14	Gate Valve		2 1/16			
15	Kill Line to Pumps	2"				
16	Casing Head					
17	Valve Gate___ Plug___		1 13/16			
18	Compound Pressure Gage					
	Wear Bushing					



STANDARD CHOKE AND KILL REQUIREMENTS						
No.	Item	[illegible]	[illegible]	Type	[illegible]	[illegible]
19	Cross [illegible]					
20	Gate Valve		1 13/16			
21	Compound Pressure Gage					
22	Gate Valve		3 1/8			
23	[illegible]	3"	2"			
24	Gate Valve		3 1/8			
25	Line	3"				
26	Line	3"				
27	Line					

SPECIAL CHOKE AND KILL REQUIREMENTS				

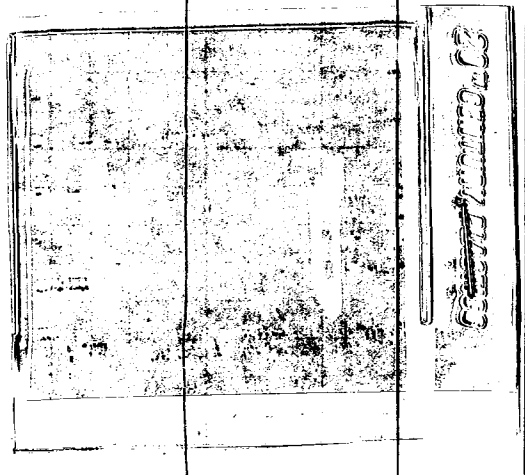
Clay Basin U #25-3 | Sec 21, 3N, 24E | Uintah | 15 June 88

N

meter run

wellhead

access



DEVELOPMENT PLAN FOR U.S.G.S. APPROVAL OF SURFACE USE
MOUNTAIN FUEL SUPPLY COMPANY DRILLING WELLS

Well Name - Unit Well No. 25

Field or Area - Clay Basin

1. Existing Roads -
   A) Proposed well site as staked - Refer to well location plat M-12258 for location of well, access road and directional reference stakes.

   B) Route and distance from nearest town or locatable reference point to where well access route leaves main road - Refer to lateral map M-9030. From the Wyoming-Utah state line to Rock Springs, Wyoming is 50 miles.

   C) Access road to location - Refer to lateral map M-9030 and well site map M-12258 for access road from Wyoming-Utah state line to Clay Basin Unit Well No. 25.

   D) If exploratory well, all existing roads within a 3-mile radius of well site -

   E) If development well, all existing roads within a 1-mile radius - Refer to lateral map M-9030 for existing roads.

   F) Plans for improvement and/or maintenance of existing roads - No existing roads will be improved. All existing roads will be maintained as needed by Mountain Fuel equipment.

2. Planned Access Road -
   A) Width - 16' wide from shoulder to shoulder.

   B) Maximum grade - The maximum grade on the road is 8 percent.

   C) Turnouts - No turnouts will be constructed.

   D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.

   E) Location and size of culverts and description of major cuts and fills -
      1) For culvert size and location see drawing No. M-12258.

      2) No sidehill cuts will be made.

   F) Surfacing material - No surfacing material will be needed either on the road or location.

   G) Necessary gates, cattle guards or fence cuts - No cattle guards, gates or fence cuts are anticipated.

   H) New or reconstructed roads - The access road to the location is an existing road which is located on the west edge of the location.

3. Location of Existing Wells -
   A) Water wells - None within a one mile radius.

   B) Abandoned wells - None within a one mile radius.

   C) Temporarily abandoned wells - None within a one mile radius.

D) Disposal wells - None within a one mile radius.

E) Drilling wells - None within a one mile radius.

F) Producing wells - Clay Basin Unit Well Nos. 1, 7, 13, 19 and 22 are productive gas wells within a one mile radius.

G) Shut-in wells - None within a one mile radius.

H) Injection wells - Clay Basin Unit Well Nos. 2, 3 and 5 are injection/withdrawal wells within a one mile radius.

I) Monitoring or observation wells for other resources - None within a one mile radius.

4. Location of Existing And/Or Proposed Facilities - Refer to area map M-9030.

A) 1) Tank batteries - None within a one mile radius.

2) Production facilities - Each productive gas well has its own production facility. Also, a compressor plant is located near Unit No. 3. Also, a compressor plant for injection is being built near Unit No. 3.

3) Oil gathering lines - No oil gathering lines are located in the Clay Basin area.

4) Gas gathering lines - Refer to area map M-9030. Lateral Nos. 55, 46 and 47 are buried gas lines. Lateral Nos. 270, 273 and 403 are surface gas lines.

5) Injection lines - Several injection/withdrawal lines are located within a one mile radius. Refer to area map M-9030.

6) Disposal lines - None within a one mile radius.

B) 1) Proposed location and attendent lines by flagging if off the well pad - The well will be used as a production well. A line will be constructed from the well to the compressor site as shown on drawing M-9030.

2) Dimensions of facilities - Refer to drawing No. M-12205.

3) Construction methods and materials - No construction materials are anticipated. The dirt work will be done with a backhoe; i.e., ditches, dehydration base, tank base, etc.

4) Protective measures and devices to protect livestock and wildlife - The sump pit will be fenced as shown on drawing M-12205.

C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - After construction is complete, areas of non-use will be restored and seeded.

5. Location and Type of Water Supply -

A) Location of water - The water withdrawal point on Red Wash is located in the SW 1/4 of Section 22, T.12N., R.105W. of the 6th P.M., Sweetwater County, Wyoming.

B) Method of transporting water - Water will be hauled by tank truck from Red Creek to Unit Well No. 25. The well access road, as shown on drawing M-9030, will be used as the water haul road.

C) Water well to be drilled on lease - No water well will be drilled.

6. Source of Construction Material -
A) Information - No construction material will be used.

B) Identify if from Federal or Indian land -

C) Where materials are to be obtained and used -

D) Access roads crossing Federal or Indian lands -

7. Method for Handling Waste Disposal -
A-D) Cuttings, drilling fluids, produced fluids, and sewage will be placed in the mud pit.

E) Garbage and other waste material will be placed in the burn pit.

F) After drilling operation have been completed, the location will be cleared of all litter and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be pumped out and dumped on the existing roads. The mud pit will be covered over.

8. Ancillary Facilities - There now is a camp approximately 1/2 mile to the east with housing and general camp facilities including a landing strip. Water is piped to the camp from a spring to the west. See drawing M-9030.
9. Well Site Layout - See drawing No. M-12258 and M-12259.

10. Plans for Restoration of Surface -
A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. The reserve pit liquids will be pumped out and dumped on the existing roads.

B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.

C) Prior to rig release, pits will be fenced and so maintained until clean up.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -
A) The location is adjacent to a dirt road running southwest to northeast. The slope is approximately 5% to the south. The soil is sandy clay with gravel rock. The vegetation is sage brush, salt sage and native grasses.

B) The surface belongs to J. R. Broadbent.

C) Water can be located in Red Creek. The Clay Basin camp is occupied by Mountain Fuel personnel. No historical, archeological or cultural sites are in the area to my knowledge.

12. Lessee's or Operator's Representative -
D. E. Dallas, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, telephone 307-362-5611.

13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Mountain Fuel Supply Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date September 22, 1976

Name D. E. Wallace

Title Drilling Superintendent

cdk

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: SLC - 045051-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Gas Storage

7. UNIT AGREEMENT NAME: Clay Basin Gas Storage Agreement

2. NAME OF OPERATOR: Mountain Fuel Resources, Inc.

8. FARM OR LEASE NAME: Unit Well

3. ADDRESS OF OPERATOR: P. O. Box 1129, Rock Springs, Wyoming 82901

9. WELL NO.: 25-S

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

719' FNL, 770' FWL NW NW

10. FIELD AND POOL, OR WILDCAT: Clay Basin Gas Storage

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW NW 21-3N-24E

14. PERMIT NO.: API No.: 43-009-30016

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6412'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplementary history			X
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Depth 318', spudded 2-5-77, ran and cemented 9-5/8" casing, nippling up.

RECEIVED
FEB 10 1977
DIVISION OF OIL, GAS, & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED A. D. Nyquist TITLE Manager, Drilling and Petroleum Engineering DATE Feb. 7, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Gas Storage

2. NAME OF OPERATOR
Mountain Fuel Resources, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
719' FNL, 770' FWL NW NW

5. LEASE DESIGNATION AND SERIAL NO.
SLC - 045051-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
Clay Basin Gas Storage Agreement

8. FARM OR LEASE NAME
Unit Well

9. WELL NO.
25-S

10. FIELD AND POOL, OR WILDCAT
Clay Basin Gas Storage

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW NW 21-3N-24E

14. PERMIT NO.
API No.: 43-009-30016

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6433.65' GR 6412'

12. COUNTY OR PARISH
Daggett

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplementary history			X
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Depth 5801', laying down drill pipe.

Landed 9-5/8"OD, 36#, K-55, casing at 302.30' KBM with 165 sacks regular type G cement treated with 5% D43A, returned 12 bbls cement to surface.

RECEIVED
FEB 17 1977
DIV. OF OIL, GAS, & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED R. D. Myers TITLE Manager, Drilling and Petroleum Engineering DATE Feb. 15, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: SLC - 045051-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

1. OIL WELL ☐ GAS WELL ☐ OTHER: Gas Storage

7. UNIT AGREEMENT NAME: Clay Basin Gas Storage Agreement

2. NAME OF OPERATOR: Mountain Fuel Resources, Inc.

8. FARM OR LEASE NAME: Unit Well

3. ADDRESS OF OPERATOR: P. O. Box 1129, Rock Springs, Wyoming 82901

9. WELL NO.: 25-S

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 719' FNL, 770' FWL NW NW

10. FIELD AND POOL, OR WILDCAT: Clay Basin Gas Storage

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW NW 21-3N-24E

14. PERMIT NO.: API No.: 43-009-30016

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6433.65' GR 6412'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplementary history			X
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

TD 5801', rig released February 15, 1977, WOCT.

Landed 5779.29' net, 5826.15' gross of 7"OD, 23#, K-55, 8rd thd, LT&C casing at 5800.94' and set with 400 sacks 50-50 Pozmix with 2% gel.

RECEIVED
FEB 25 1977
DIVISION OF OIL, GAS, & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Manager, Drilling and Petroleum Engineering DATE Feb. 21, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: SLC - 045051-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Gas Storage

7. UNIT AGREEMENT NAME: Clay Basin Gas Storage Agreement

2. NAME OF OPERATOR: Mountain Fuel Resources, Inc.

8. FARM OR LEASE NAME: Unit Well

3. ADDRESS OF OPERATOR: P. O. Box 1129, Rock Springs, Wyoming 82901

9. WELL NO.: 25-S

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 719' FNL, 770' FWL NW NW

10. FIELD AND POOL, OR WILDCAT: Clay Basin Gas Storage

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW NW 21-3N-24E

14. PERMIT NO.: API No.: 43-009-30016

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6433.65' GR 6412'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplementary history			X
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

TD 5801', PBD 5744', perforated from 5626' to 5670' with 2 jet shots per foot, set packer at 5566', landed 4-1/2" tubing at 5570.73', installed upper wellhead.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Manager, Drilling and Petroleum Engineering DATE March 9, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

INTEROFFICE COMMUNICATION

FROM T. M. Colson — Rock Springs, Wyoming (CITY / STATE)

TO R. G. Myers — DATE March 4, 1977

SUBJECT Tentative Plan to Complete
Unit Well No. 25
Clay Basin Field

Attached for your information and files is a tentative plan to complete the above-captioned well.

TMC/gm
Attachment
cc: R. D. Cash
E. R. Keller (3)
G. A. Peppinger (3)
A. J. Marushack
A. K. Zuehlsdorff
D. E. Dallas (2)
G. C. Nelson (2)
J. E. Adney
E. J. Widic
E. A. Farmer
D. L. Reese
U.S.G.S.
State
B. M. Steigleder
P. E. Files (4)

From: R. L. Rasmussen

Rock Springs, Wyoming

To: T. M. Colson

March 4, 1977

Tentative Plan to Complete
Unit Well No. 25
Clay Basin Field

The above well was drilled to a total depth of 5801 feet KBM on February 15, 1977 by Mountain Fuel Resources. The well was drilled as a gas storage well in the Dakota formation. The following is a tentative plan to complete the above-captioned well.

NOTE: KB is 21.65 feet above ground level.

1. Move in and rig up a completion rig.
2. Install a 6-inch 5000 psi hydraulically operated double gate BOP with blind rams in bottom and 2-3/8-inch tubing rams on top.
3. After a WOC time of at least 50 hours, rig up Dresser Atlas and run cement bond log and perforating formation control log from plugged back depth to top of cement behind the 7-inch O.D. casing.
4. After a WOC time of at least 56 hours, pick up and run a 6-1/4-inch bit and casing scraper dressed for 7-inch O.D., 23-pound casing on 2-3/8-inch O.D., 4.6-pound, J-55 tubing to plug back depth. Rig up and displace water out of hole with drip oil. Approximately 230 barrels of drip oil will be required. Pull and lay down tubing, casing scraper, and 6-1/4-inch bit. Install 4-1/2-inch tubing rams.
5. Rig up Dresser Atlas perforating truck and perforate the Dakota storage sand with two Jumbo Jet shots per foot as follows:

   5626 feet to 5670 feet KBM

   Measurements are from the Schlumberger formation density log dated February 14, 1977. Depths must be correlated with the Dresser Atlas cement bond log dated February 18, 1977.

6. Run a Baker Model FB-1 (size 87-40) packer as follows:

   1 Baker Model FB-1 packer (4.0-inch I.D. through packer).

   6 foot Baker millout extension (4.0-inch I.D.).

   10 foot Baker seal bore protector (4.0-inch I.D.) changeover.

   6 foot 3-1/2-inch O.D., 9.2-pound, J-55, 8 round thread, EUE pup joint.

   1 Baker Model "F" non-ported seating nipple (size 2.81).

   6 foot 3-1/2-inch O.D., 9.2-pound, J-55, 8 round thread, EUE pup joint.

   1 Baker Model "R" non-ported no-go seating nipple (size 2.75).

   Set packer so that the bottom of the assembly is 30 feet above the perforations.

7. Pick up a Baker locator seal assembly and a Baker Model "L" sliding sleeve and run tubing as follows:

   1 NSCo. H-1 tubing hanger tapped 4-1/2-inch O.D., 8 round thread, LT&C, top and bottom.

   4-1/2-inch O.D., 11.6-pound, J-55, 8 round thread, LT&C pup joints as required to space out.

   Approximately 155 joints 4-1/2-inch O.D., 11.6-pound, J-55, 8 round thread, LT&C tubing.

   Baker Model "L" 4-1/2-inch O.D. sliding sleeve (size 3.812), in open position.

   1 6 foot 4-1/2-inch O.D., 11.6-pound, J-55 pup joint.

   Baker Model "G" locator seal assembly with 10 feet of seal extensions (I.D. 3.0-inches).

   Land tubing in packer with 10,000 pounds compression. Space out and land in wellhead.

8. Install upper portion of wellhead.

9. Swab fluid out of wellbore. Run a short production test.

Present Status of Well

3-4-77 /995

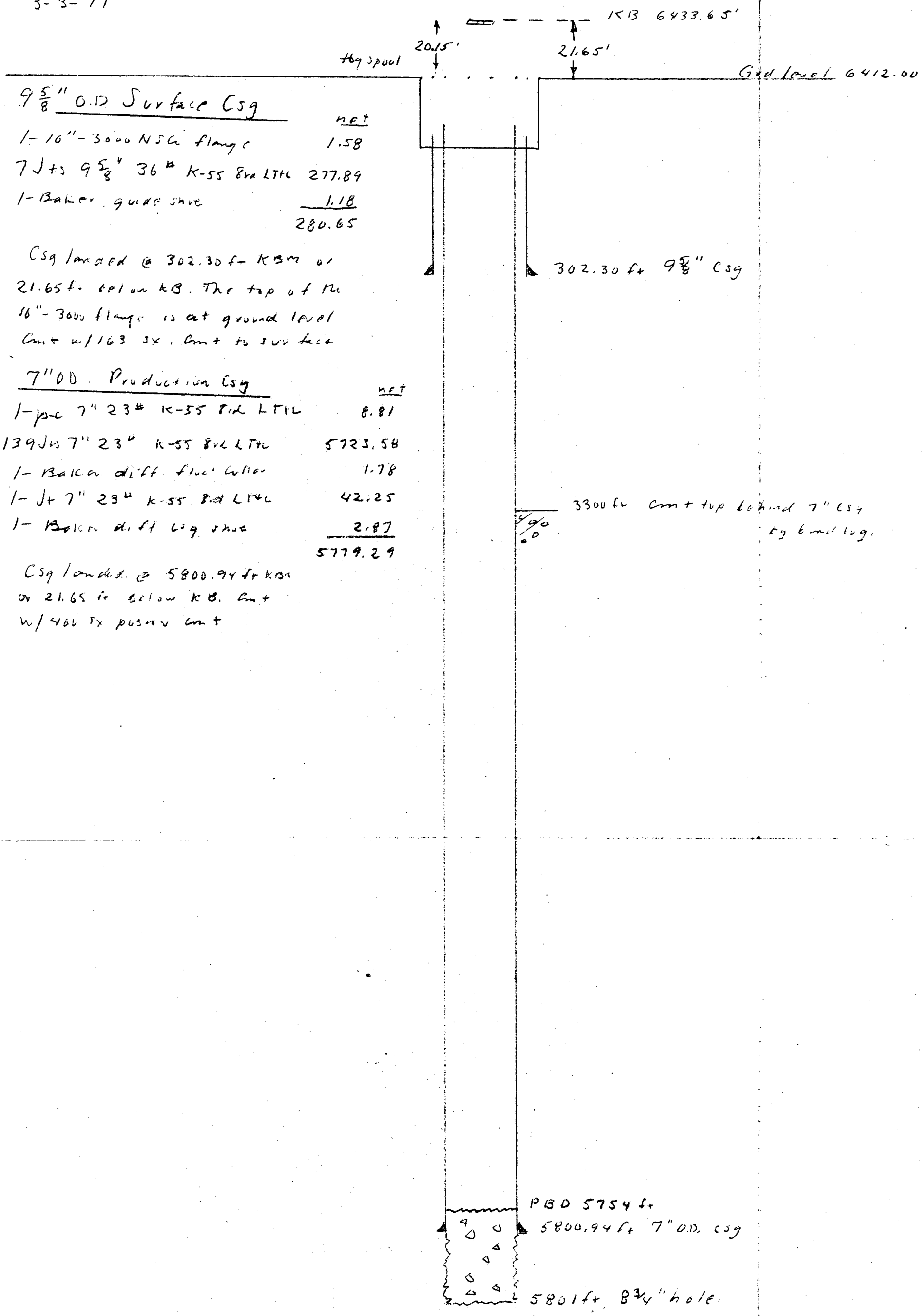
Not drawn to scale

Drilled by MI FUEL

3-3-77

UNIT Well 25-S

Clay Basin Field



9 5/8" O.D Surface Csg

	net
1- 10"-3000 NSC flange	1.58
7 Jts 9 5/8" 36# K-55 8rd LT&C	277.89
1- Baker guide shoe	1.18
	280.65

Csg landed @ 302.30 ft KBM or 21.65 ft below KB. The top of the 10"-3000 flange is at ground level Cmt w/ 163 sx. Cmt to surface

7" OD Production Csg

	net
1- pc 7" 23# K-55 8rd LT&C	8.81
139 Jts 7" 23# K-55 8rd LT&C	5723.58
1- Baker diff fluid collar	1.78
1- Jt 7" 23# K-55 8rd LT&C	42.25
1- Baker diff fill csg shoe	2.87
	5779.29

Csg landed @ 5800.94 ft KBM or 21.65 ft below KB. Cmt w/ 461 sx pozmix Cmt

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See other instructions on reverse side)

Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: SLC 045051-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Gas Storage

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

RECEIVED MAR 15 1977 DIVISION OF OIL, GAS & MINING

7. UNIT AGREEMENT NAME: Clay Basin Gas Storage Agreement

8. FARM OR LEASE NAME: Unit Well

2. NAME OF OPERATOR: Mountain Fuel Resources, Inc.

9. WELL NO.: 25-S

3. ADDRESS OF OPERATOR: P. O. Box 1129, Rock Springs, Wyoming 82901

10. FIELD AND POOL, OR WILDCAT: Clay Basin Gas Storage

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*

At surface: 719' FNL, 770' FWL NW NW

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NW NW 21-3N-24E

At top prod. interval reported below

At total depth

API No.: 43-009-30016

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: Daggett | 13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2-5-77	2-14-77	3-10-77	KB 6433.65' GR 6412'	-

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5801'	5744'		→	0-5801'	-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5626-5744' Dakota - Gas Storage

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp. Formation Density, Dual Induction

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	302.30'	12-1/4	165	0
7"	23	5800.94'	8-3/4	400	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2	5570.73	5566

31. PERFORATION RECORD (*Interval, size and number*)

5626-5670', jet, 2 holes/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
SI	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-10-77							

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			Swabbed, not gauged - gas storage			

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

Vented while testing.

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs as above, Well Completion to be sent at a later date.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Manager, Drilling and Petroleum Engineering DATE March 11, 1977

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Log tops:		
Mancos	0'	
Frontier	5276	
Mowry	5466	
Dakota	5623	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

GP O 870-401

COMPLETION REPORT

Well: Clay Basin Unit No. 25-S Date: April 12, 1977

Area: Clay Basin Field Lease No:

☐ New Field Wildcat ☒ Development Well ☐ Shallower Pool Test

☐ New Pool Wildcat ☐ Gas Storage Extension ☐ Deeper Pool Test

Location: 719 feet from North line, 770 feet from West line

NW ¼ NW ¼

Section 21, Township 3 North, Range 24 East

County: Daggett State: Utah

Operator: Mountain Fuel Resources

Elevation: KB 6433.65 Gr 6412 Total Depth: Driller 5801 Log 5800

Drilling Commenced: February 5, 1977 Drilling Completed: February 14, 1977

Rig Released: February 15, 1977 Well Completed: March 10, 1977

Sample Tops: (unadjusted)

Frontier	5285
Dakota	5626

Log Tops:

Mancos	Surface
Frontier	5276
Mowry	5466
Dakota	5623

Sample Cuttings: None

Status: Gas Storage injection-withdrawal well

Producing Formation: Dakota

Perforations: 5626-5670 w/2 jet shots per foot

Stimulation: None

Production: None reported (well was swabbed)

Plug Back Depth: 5744

Plugs: None

Hole Size: 12 1/4" to 318; 8 3/4" to 5801

Casing/Tubing: 9 5/8" to 302.30 w/ 165 sacks; 7" to 5800.94 w/400 sacks; 4 1/2" to 5570 in packer set at 5566

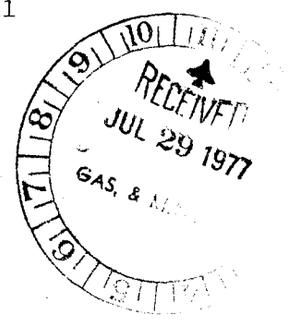
Logging - Mud: None

Mechanical: DIL (306-5786), FDC (3815-5780)

Contractor: Loffland Brothers Company

Completion Report Prepared by: G.G. Francis

Remarks:



COMPLETION REPORT (cont.)

Well: Unit # 25-S

Area: Clay Basin Field

Cored Intervals (recovery): None

Tabulation of Drill Stem Tests: None

No.	Interval	IHP	IFP (min.)	ISIP (min.)	FFP (min.)	FSIP (min.)	FHP	Samples Caught	Remarks

QUESTAR PIPELINE COMPANY

79 SOUTH STATE STREET • P. O. BOX 11450 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2400

June 23, 1988

CERTIFIED MAIL
RETURNED RECEIPT REQUESTED
#P 879 571 459

Bureau of Land Management
Utah State Office
CFS Financial Center
324 S. State Street
Salt Lake City, UT 84111-2303

Re: Name Change
Mountain Fuel Resources, Inc.
to Questar Pipeline Company

Gentlemen:

Enclosed for your files and information is a certified copy of the Articles of Amendment to the Articles of Incorporation of Mountain Fuel Resources, Inc. dated March 7, 1988, indicating that Mountain Fuel Resources, Inc. changed its name to Questar Pipeline Company.

Questar Pipeline Company holds interests in the following Federal Oil and Gas Leases in Utah:

- U-9712-A – Questar 100%
- U-011246
- SLC-045051(A) – OR'S
- SLC-045051(B) – OR'S
- SLC-045053(A) – OR'S
- SLC-045053(B) – OR'S
- SLC-062508 – OR'S
- SLC-070555 – OR'S
- SLC-070555(A) – OR'S
- Agreement No. 14-08-0001-16009 (Clay Basin Gas Storage Agreement)

Please note and adjust your records in accordance with the above and furnish verification of your receipt of this notice to the undersigned.

Sincerely,

J. B. Neese
Senior Landman

JBN/sdg

Enclosure

List of Leases

Overriding Royalties

U-09712-A
U-011246

Operating Rights

SL-045051-A & B
SL-045053-A & B
SL-062508
SL-070555
SL-070555-A
SL-045049-A & B

Clay Basin Gas Storage Agreement
Agreement No. 14-08-0001-16009

3100
U-09712-A
et al
(U-942)
C. Seare
3/9/89

DECISION

Questar Pipeline Company	:	Oil and Gas Leases
P.O. Box 11450	:	U-09712-A et al
Salt Lake City, Utah 84147	:	

Corporate Name Change Recognized

Acceptable evidence has been received establishing that Mountain Fuel Resources, Inc. has changed their name to Questar Pipeline Company. Accordingly, the surviving company, Questar Pipeline Company, is recognized as holding all interests in Federal oil and gas leases which were held by Mountain Fuel Resources, Inc. We are changing our records with respect to the attached listing of oil and gas leases. If there are any other leases that will be affected, please contact this office.

/s/ M. Willis
ACTING Chief, Minerals
Adjudication Section

Enclosure
List of Leases

cc: All District Offices, Utah
MMS, AFS
MMS, BRASS
920, Teresa Thompson
Clay Basin Unit File

CSeare:sl 3/9/89:1642f

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **3/7/1988**

FROM: (Old Operator):	**TO:** (New Operator):
N1070-Wexpro Company PO Box 45360 Salt Lake City, UT 84145-0360 Phone: 1-(801) 534-5267	N7560-Questar Pipeline Company PO Box 11450 Salt Lake City, UT 84147 Phone: 1-(801) 530-2019

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
COALVILLE GAS STORAGE 8	10	020N	050E	4304330192	99990	Fee	GS	A
COALVILLE GAS STORAGE 9	10	020N	050E	4304330193	99990	Fee	GS	A
COALVILLE GAS STORAGE 10	10	020N	050E	4304330244	99990	Fee	GS	A
COALVILLE GAS STORAGE 12	09	020N	050E	4304330249	99990	Fee	GS	A
CLAY BASIN UNIT 5	20	030N	240E	4300915629	1025	Fee	GS	A
CLAY BASIN UNIT 3	16	030N	240E	4300915627	1025	State	GS	A
CLAY BASIN UNIT 27-S	16	030N	240E	4300930018	1025	State	GS	A
CLAY BASIN UNIT 52-S	16	030N	240E	4300930048	1025	State	GS	A
CLAY BASIN UNIT 53-S	16	030N	240E	4300930049	1025	State	GS	A
CLAY BASIN UNIT 59-S	16	030N	240E	4300930055	1025	State	GS	A
CLAY BASIN UNIT 35-S	17	030N	240E	4300930026	1025	Federal	GS	A
CLAY BASIN UNIT 40-S	20	030N	240E	4300930031	1025	Federal	GS	A
CLAY BASIN UNIT 49-S	20	030N	240E	4300930045	1025	Federal	GS	A
CLAY BASIN UNIT 2	21	030N	240E	4300915626	1025	Federal	GS	A
CLAY BASIN 24-S	21	030N	240E	4300930015	1025	Federal	GS	A
CLAY BASIN UNIT 25-S	21	030N	240E	4300930016	1025	Federal	GS	A
CLAY BASIN UNIT 26-S	21	030N	240E	4300930017	1025	Federal	GS	A
CLAY BASIN 30-S	21	030N	240E	4300930019	1025	Federal	GS	A
CLAY BASIN UNIT 33-S	21	030N	240E	4300930024	1025	Federal	GS	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/13/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/13/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/14/2004
4. Is the new operator registered in the State of Utah: YES Business Number: 649172-0142
5. If **NO**, the operator was contacted contacted on: ____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 3/9/1989

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC"** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 1/29/2004
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 1/29/2004
3. Bond information entered in RBDMS on: 1/29/2004
4. Fee wells attached to bond in RBDMS on: 1/29/2004
5. Injection Projects to new operator in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965003032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 965002976

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965003033

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/29/2004

COMMENTS:

NEW ENTITY NUMBERS ASSIGNED FEBRUARY 2004

ACCT	OPERATOR NAME	API NUM.	Sec	Twnshp	Rng	WELL NAME	ENTITY	EFF DATE	REASON
N7560	Questar Pipeline Co	4300915629	20	030N	240E	Clay Basin Unit 5	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915627	16	030N	240E	Clay Basin Unit 3	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930018	16	030N	240E	Clay Basin Unit 27-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930048	16	030N	240E	Clay Basin Unit 52-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930049	16	030N	240E	Clay Basin Unit 53-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930055	16	030N	240E	Clay Basin Unit 59-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930026	17	030N	240E	Clay Basin Unit 35-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930031	20	030N	240E	Clay Basin Unit 40-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930045	20	030N	240E	Clay Basin Unit 49-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915626	21	030N	240E	Clay Basin Unit 2	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930015	21	030N	240E	Clay Basin 24-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930016	21	030N	240E	Clay Basin Unit 25-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930017	21	030N	240E	Clay Basin Unit 26-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930019	21	030N	240E	Clay Basin 30-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930024	21	030N	240E	Clay Basin Unit 33-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930030	21	030N	240E	Clay Basin Unit 39-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930044	21	030N	240E	Clay Basin Unit 48-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930046	21	030N	240E	Clay Basin Unit 50-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930047	21	030N	240E	Clay Basin Unit 51-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930054	21	030N	240E	Clay Basin Unit 58-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930056	21	030N	240E	Clay Basin Unit 60-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915635	22	030N	240E	Clay Basin U 11 (RD Murphy	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930021	22	030N	240E	Clay Basin 28-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930023	22	030N	240E	Clay Basin Unit 32-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930027	22	030N	240E	Clay Basin Unit 36-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage

Note to file: These entity numbers were changed to compliment the operator correction from 3/7/98